MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

AUGUST, 1939

J. A. BROWN, DIRECTOR

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AUGUST 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.3	54.8	54.3	55.1	32.1	23.2	29.1	31.6	26.6	29.1
2	2.1	2.0	2.1	2.1	33.6	24.2	29.9	33.0	27.5	30.1
3	4.2	5.0	6.0	5.1	33.2	24.2	29.4	32.4	27.2	29.7
4	7.1	7.4	7.3	7.3	33.3	23.3	29.4	31.6	26.6	29.2
5	6.4	6.1	6.2	6.2	33.0	23.3	29.4	32.6	26.5	29.5
6	55.8	55.7	55.7	55.7	33.2	23.8	29.4	32.2	26.3	29.3
7	5.6	5.2	5.3	5.4	33.3	24.4	30.2	32.2	26.1	29.5
8	5.3	5.4	5.7	5.5	33.1	25.3	31.1	32.2	26.6	30.0
9	5.7	6.2	7.2	6.4	33.9	24.5	30.2	33.3	27.2	30.2
10	7.8	7.6	7.5	7.6	33.3	24.4	29.7	32.3	27.2	29.7
11	57.1	55.9	55.4	56.1	34.3	25.0	29.9	32.8	28.0	30.2
12	4.4	4.0	4.6	4.3	33.6	25.1	30.2	32.9	27.9	30.3
13	5.1	5.9	6.8	5.9	33.3	24.6	30.2	32.9	27.2	30.1
14	7.8	7.3	7.5	7.5	33.1	23.9	29.4	32.2	26.6	29.4
15	6.7	6.5	6.5	7.6	32.2	25.6	30.4	32.4	26.8	29.9
16	55.0	54.4	54.7	54.7	33.1	25.6	29.4	31.1	26.9	29.1
17	4.8	4.0	5.3	5.0	32.9	23.9	29.3	31.9	27.4	29.5
18	6.0	6.1	5.8	6.0	32.7	25.0	29.7	31.7	26.6	29.3
19	5.6	5.3	5.2	5.4	33.1	24.2	29.5	32.2	27.2	29.6
20	4.7	4.5	5.3	4.8	32.8	24.2	29.4	32.2	27.2	29.6
21	55.2	55.2	55.9	55.4	32.9	24.2	29.4	31.5	26.7	29.2
22	5.2	5.3	5.8	5.4	32.8	24.2	29.8	32.2	26.6	29.5
23	6.0	5.7	6.5	6.1	32.7	23.8	29.8	32.1	26.6	29.5
24	7.3	6.8	7.5	7.2	32.7	23.9	29.4	31.9	26.6	29.3
25	8.3	7.8	8.5	8.0	32.6	24.0	29.4	31.3	26.6	29.1
26	57.1	56.6	56.6	56.8	32.7	23.9	29.7	31.8	26.8	29.4
27	5.3	4.9	5.5	5.2	32.9	23.4	29.1	32.1	26.6	29.3
28	5.5	5.6	6.0	5.7	32.8	23.8	29.4	31.7	27.3	29.5
29	6.7	6.3	7.4	6.8	32.8	22.8	28.0	31.9	25.8	28.6
30	7.4	7.6	8.2	7.7	32.3	23.4	28.6	31.3	25.8	28.6
31	8.3	8.1	8.2	8.2	31.4	23.3	28.2	30.8	25.6	28.2
	755.99	755.74	756.23	756.01	32.99	24.14	29.55	32.08	26.79	29.47

Barometer, range for month 752.0 mm.—758.3 mm.
,, 62-yr. average for month 756.08 mm.
Thermometer, range for month 22.8° C.—34.3° C.
,, 62-yr. average for month 28.50° C.
Rain, total for month 0.4 mm.
,, , 62-yr. average for month 0.51 mm.
,, , total, from Sept. 1st 1028.7 mm.
55-yr. average, Sept. 1st 903.6 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	16.8	17.1	19.7	17.9	56	49	76	60	12.8	350.0	
2	18.8	19.4	20.6	19.6	59	52	76	62	11.6	460.0	
3	18.8	19.8	19.0	19.2	61	55	71	62	12.4	330.0	
4	18.7	20.3	18.5	19.2	62	58	71	64	12.5	303.0	
5	19.8	19.0	18.6	19.1	65	52	72	63	12.5	420.0	
6	19.8	18.8	18.7	19.1	65	53	73	64	12.5	411.0	
7	20.3	18.9	18.9	19.4	63	53	75	64	12.5	490.0	
8	19.7	20.0	19.4	19.7	58	56	76	63	12.5	294.0	
9	21.5	21.4	21.5	21.5	67	56	81	68	12.5	98.4	
10	22.9	21.0	20.9	21.6	73	59	78	70	12.5	158.2	
11	22.9	20.8	21.7	21.8	72	56	78	69	12.5	245.0	
12	20.8	20.5	21.3	20.9	61	56	76	64	12.2	414.0	
13	18.1	18.4	19.2	18.6	57	50	72	60	12.3	288.0	
14	16.2	17.6	18.5	17.4	53	49	71	58	12.2	251.0	
15	19.6	17.3	18.1	18.3	60	48	69	59	12.5	170.0	
16	16.7	18.0	18.4	17.7	54	53	69	59	12.2	270.0	
17	16.8	17.5	19.0	17.8	56	49	70	58	7.3	273.0	
18	20.3	19.5	19.7	19.8	65	56	76	66	12.3	300.0	
19	17.4	17.3	18.1	17.9	57	48	68	58	12.3	391.6	
20	17.6	16.8	17.1	17.2	49	47	64	53	11.8	395.2	
21	17.8	16.4	16.4	16.9	59	47	63	56	12.1	357.6	
22	17.5	17.3	16.3	17.0	56	48	63	56	11.8	387.3	
23	17.2	17.8	16.5	17.2	55	50	64	56	12.8	404.2	
24	16.5	17.5	17.5	17.2	53	49	67	56	7.7	177.8	
25	15.3	18.5	20.2	18.0	47	54	78	60	11.9	267.4	
26	19.5	17.2	17.8	18.2	61	49	67	59	12.3	200.0	
27	19.4	17.4	15.6	17.5	65	49	59	58	11.7	305.6	
28	19.5	17.8	14.6	17.3	64	51	54	56	11.7	272.2	
29	16.8	17.0	17.6	17.1	59	48	71	59	9.7	300.0	0.04
30	16.3	13.2	17.6	15.7	56	38	71	55	12.1	228.4	
31	17.6	13.7	17.2	16.2	61	41	71	58	11.9	210.0	
	18.61	18.17	18.52	18.45	59.7	50.9	70.6	60.4	11.86	302.05	0.01

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
62-year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	4cu	4cu	3.7	2sw	2s	2w	slight	
2	3cu	2cu	3cu	2.7	4sw	4w	4w	„	
3	0	3cu	0	1.0	3sw	3w	2w	„	
4	0	0	0	0.0	4sw	3sw	2w	„	
5	0	0	0	0.0	3sw	3w	2sw	„	
6	1cu	2cu	0	1.0	5sw	4w	2w	slight	
7	0	0	0	0.0	3sw	4w	4w	„	
8	0	0	0	0.0	4sw	4w	2w	„	
9	0	2cu	1cu	1.0	2s	3w	0	calm	
10	0	0	0	0.0	1nw	2nw	1w	slight	
11	2cu	0	0	0.7	3s	2s	1s	slight	
12	0	0	0	0.0	4s	3w	3w	„	
13	2cu	2cu	2cu	2.0	3sw	3w	2w	mod.	
14	1cu	0	0	0.3	2sw	3w	2n	slight	
15	2cu	2cu	0	1.3	2n	2w	1n	„	
16	2cu	9cu	8cu	6.3	2sw	2w	2w	slight	
17	2cu	0	0	0.7	2sw	3w	2w	„	
18	3cu	3cu	4cu	3.3	3sw	3w	2w	„	
19	4cu	2cu	4cu	3.3	4s	4w	3w	„	
20	5cuni	3cu	1cu	3.0	4sw	4w	3w	„	trace rain
21	2cu	1cu	3cu	2.0	3sw	4w	2w	slight	
22	2cu	1cu	0	1.0	3sw	3w	3w	„	
23	5cu	2cu	3cu	3.3	4sw	4w	3w	mod.	
24	1cu	1cu	2cu	1.3	3s	2w	0	slight	
25	2cu	0	0	0.7	1sw	3w	2n	„	
26	0	0	0	0.0	1nw	2w	0	slight	
27	0	0	0	0.0	3sw	3sw	2w	„	
28	0	5cu	5cu	3.3	3sw	3w	2w	„	
29	8cuni	1cu	8cu	5.7	3sw	3w	2w	„	
30	2cu	0	7cu	3.0	3sw	3w	1w	„	
31	1cu	1cu	4cu	2.0	2w	2w	2w	„	
				1.70	2.9	3.0	1.9		

10 10 5

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	0	0	5	22	1	2	0	31
14:30	0	0	0	0	2	2	26	1	0	31
20:30	3	0	0	0	1	1	23	0	3	31
Totals	4	0	0	0	8	25	50	3	3	93

Number of days with rain 1, fog 0, thunderstorms 0, gale 0.

62-yr. average number of days with rain during month 0.2